Abstract of the Disclosure:

A shock absorber capable of preventing the collapse or deformation of a vehicle body member when a local load applied to a bumper, without being influenced by the arrangement and construction of the vehicle body member. The shock absorber comprises a multi-diameter stepped tube having different diameter tube portions integrally formed by partially reducing or partially enlarging a straight tube that can be plastically deformed through a stepped portion connecting those tube portions under installation of which a smaller-diameter tube portion connecting to the bumper and of which a larger-diameter tube portion connecting to the side member, a mounting part having a quadrilateral shape with a diagonal length of which is longer than the diameter of the larger-diameter tube portion and positioned at a front end of the side member, and load transmission members fixed between an outer side surface of the larger-diameter tube portion and the mounting part.